

1. A method for transmitting data in a channel of a wireless communication system, comprising:

sequentially transmitting a first portion of the plurality of subpackets in accordance with predetermined delays; and

sequentially transmitting a second portion of the plurality of subpackets in accordance with channel conditions.

2. The method of Claim 1, wherein the step of transmitting the second portion of the plurality of subpackets is performed at a peak of a Rayleigh fading envelope, wherein the peak is determined through a threshold value.

3. The method of Claim 1, wherein each subpacket of the second portion of the plurality of subpackets have a different size from the subpackets in the first portion.

4. A method for transmitting data in a channel of a wireless communication system, comprising:

sequentially transmitting a first portion of the plurality of subpackets in accordance with channel conditions; and

sequentially transmitting a second portion of the plurality of subpackets in accordance with predetermined delays.

5. The method of Claim 4, wherein the step of transmitting the first portion of the plurality of subpackets is performed at a peak of a Rayleigh fading envelope, wherein the peak is determined through a threshold value.

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6. The method of Claim 4, wherein each subpacket of the second portion of the plurality of subpackets have a different size from the subpackets in the first portion.

7. A method for transmitting data in a channel of a wireless communication system, comprising:

packaging a data payload into a plurality of subpackets, wherein the data payload is destined for a remote station;

performing a velocity determination of the remote station;

if the velocity of the remote station is slow or stationary, then transmitting the plurality of subpackets sequentially in accordance with channel conditions; and

if the velocity of the remote station is neither slow nor stationary, then transmitting the plurality of subpackets sequentially in accordance with predetermined delays.

8. The method of Claim 7, further comprising the step of updating the velocity determination of the remote station;

if the updated velocity of the remote station indicates a change from slow or stationary, then transmitting a remaining portion of the plurality of subpackets in accordance with predetermined delays; and

if the updated velocity of the remote station indicates a change from neither slow nor stationary, then transmitting a remaining portion of the plurality of subpackets in accordance with channel conditions.

9. A method for transmitting data in a channel of a wireless communication system, comprising:

repackaging a data payload into a plurality of redundant subpackets;

transmitting a first subpacket to a remote station, wherein the first subpacket includes a preamble;

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packaging a data payload into a plurality of subpackets;

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means for packaging a data payload into a plurality of subpackets;

18. The apparatus of Claim 17, wherein the means for deciding uses a Rayleigh fading envelope to decide whether channel conditions are favorable, wherein the channel conditions are favorable if the Rayleigh fading envelope is above a predetermined threshold.

19. The apparatus of Claim 17, wherein each subpacket of the second portion
of the plurality of subpackets have a different size from the subpackets in the
first portion.

20. Apparatus for transmitting data in a channel of a wireless communication
system, comprising:

means for packaging a data payload into a plurality of subpackets,
wherein the data payload is destined for a remote station;

means for performing a velocity determination of the remote station; and

means for receiving the plurality of subpackets and the velocity
determination of the remote station, and further for:

if the velocity of the remote station is slow or stationary,
then transmitting the plurality of subpackets sequentially in
accordance with channel conditions; and

if the velocity of the remote station is neither slow nor
stationary, then transmitting the plurality of subpackets
sequentially in accordance with predetermined delays.

21. The apparatus of Claim 20, wherein the means for performing a velocity
determination is further for providing an updated velocity estimate.

22. Apparatus for transmitting data in a channel of a wireless communication
system, comprising:

means for repackaging a data payload into a plurality of redundant
subpackets;

means for receiving the plurality of redundant subpackets, for
transmitting a first subpacket to a remote station, wherein the first subpacket
includes a preamble, and for;

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means for packaging a data payload into a plurality of subpackets;

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